

ABSTRACT

The present invention teaches a novel approach to detecting and/or analyzing nucleic acid sequences. Generally, the invention relates to detecting and/or analyzing nucleic acid sequences using microsphere-based assays. More specifically, the invention relates to detecting and/or analyzing nucleic acid sequences using microsphere-based oligonucleotide ligation multiplexed assays. The present invention also provides methods and kits for performing microsphere-based oligonucleotide ligation assays, which include bound probes attached to addressable microspheres and free probes bearing a detectable label.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100